

2_33 POINT CONTROLS VS. TARGETING STYLES CONSTRAINTS

Question:

I have guardrail drawn in the dsn file for a fill slope warrant but why doesn't the guardrail draw in Roadway Designer? I did a Point Control for the EOP and that read the tapers just fine but when I tried to do the same for guardrail it reads the plan graphic (it shows a white line in the roadway designer plan view where the guardrail is in the design file) but the guardrail isn't drawn in the roadway designer cross section. I saw a LT_SEEK_GR_Graphic point in the point list and used these (lt and rt) as the point to control with my plan graphics.

Answer:

As stated in the last Roadway Corridor Modeling Implementation Group (CMIG) Meeting, Point Control has the highest processing priority when it comes to template control. The order (from high to low) of processing priority is:

1. Point Controls (roadway designer feature).
2. Targeting Style Constraints (plan view graphics)
3. Parametric Constraints (re-definable variables/constraints)
4. Template Point Constraints (as drawn by template default)

Roadway Master Template Library (ITL) is design to automatically seek or target the design file EOT (T_DSN EOT) and guardrail graphics (T_DSN Guardrail) without manually using Point Controls. In this case, the component "Seek_GR", and not the actual point "Seek_GR_Graphics", is designed to locate or target the plan view guardrail graphic style. Once Point Controls were used to move the point, it may have overwritten some of the targeting style constraints. Meaning, the component no longer "see" the style. Our recommendation is not to use Point controls for locating the EOTs and G/R graphics, but instead use the automatic built-in targeting style constraint features.